



DEPARTMENT OF THE NAVY

NAVAL MEDICAL COMMAND
WASHINGTON, D.C. 20372

IN REPLY REFER TO

NAVMEDCOMINST 5450.11
MEDCOM-311
14 October 1983

NAVMEDCOM INSTRUCTION 5450.11

From: Commander, Naval Medical Command
To: Commanding Officer, Naval Aerospace Medical Research Laboratory, Pensacola, FL

Subj: Naval Aerospace Medical Research Laboratory, Pensacola, FL; mission and functions of

Ref: (a) OPNAVNOTE 5450 ser 09B2E3/313988 of 14 Sep 1983 (canc frp: Mar 84)

Encl: (1) Functions of Naval Aerospace Medical Research Laboratory, Pensacola, FL

1. Purpose. To promulgate the functions to be performed by the Naval Aerospace Medical Research Laboratory, Pensacola, FL in support of the mission promulgated by reference (a).

2. Cancellation. BUMEDINST 5450.94.

3. Mission. To conduct research, development, test, and evaluation in aviation medicine and allied sciences to enhance the health, safety, and readiness of Navy and Marine Corps personnel in the effective performance of peacetime and contingency missions, and to perform such other functions or tasks as may be required by higher authority.

4. Status and Command Relationships. The Naval Aerospace Medical Research Laboratory, Pensacola, FL is a shore activity in an active (fully operational) status under a commanding officer under the command of COMNAVMEDCOM, exercised through the Naval Medical Research and Development Command, Bethesda, MD. The Naval Aerospace Medical Research Laboratory is subject to the area coordination authority of CINCLANTFLT and regional coordination authority of the Commander, Naval Base, Charleston, SC.

5. Action. In the accomplishment of the assigned mission, the Commanding Officer of the Naval Aerospace Medical Research Laboratory, Pensacola, FL shall ensure the performance of the functions set forth in enclosure (1). The Commanding Officer of the Naval Aerospace Medical Research Laboratory, Pensacola, FL, superiors

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in the chain of command, and the Commander, Naval Base, Charleston are requested to advise COMNAVMEDCOM (MEDCOM-311) of any recommended modifications to the mission or functions of the Naval Aerospace Medical Research Laboratory, Pensacola.


W. M. McDERMOTT, JR.

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FUNCTIONS OF THE
NAVAL AEROSPACE MEDICAL RESEARCH LABORATORY
PENSACOLA, FL

1. Functions. As directed by the Commanding Officer, Naval Medical Research and Development Command, Bethesda, MD and under the cognizance of the Commander, Naval Medical Command:

a. Conduct research, development, test, and evaluation programs to assess and improve the health and physical tolerances of naval aviation personnel.

b. Develop and evaluate performance based physical and psychological selection and retention criteria for aviation personnel, and conduct research, development, test, and evaluation programs for effective training and operational performance.

c. Conduct research and development to enhance human operator performance in aviation systems with emphasis on assessment of performance in stressful, complex, high workload aviation tasks.

d. Develop, test, and evaluate man-machine interface and standards which improve the performance, safety, and survival of aviation personnel.

e. Conduct research programs to determine vestibular, visual, and auditory performance requirements in naval operations, and develop, test, and evaluate methods and devices to improve sensory and sensorimotor functions in operational environments.

f. Design and conduct bioenvironmental research programs to determine the physiological and psychological responses of personnel exposed to potential environmental hazards encountered in naval operations, and develop the technology to prevent casualties and improve performance in these environments.

g. Conduct research and development programs to assess and define the hazards of the physical environment, including electromagnetic radiation, on Navy and Marine Corps personnel.

h. Conduct research, development, test, and evaluation programs to support the development, evaluation, and testing of aeromedical, survival, and life support aircrew equipment and procedures.

i. Maintain a source of scientific and technical expertise in aviation related matters to provide advisory assistance when requested to the Chief of Naval Operations; the Naval Material

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Command; Chief of Naval Research; Commander, Naval Medical Command; Chief of Naval Education and Training; Chief of Naval Air Training; and other United States Navy and Federal organizations.

k. Provide and undertake other functions as may be authorized or directed by higher authority.